

PARAMOUNT SITE DISCOVERY REPORT

DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC)
REGION 3, CHATSWORTH

PA/SI COOPERATIVE AGREEMENT CA DEPARTMENT OF TOXIC
SUBSTANCES CONTROL ID # 00T14601-2 7/1/15 TO 6/30/16

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7/7/16

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EXECUTIVE SUMMARY

1. Purpose

The United States Environmental Protection Agency (USEPA) and The Department of Toxic Substances Control's (DTSC) objective for the Paramount Site Discovery Project (Project) is to identify the study area contaminants of concern and identify potential sources of those contaminants. This project was initiated because existing data indicates that area soil and groundwater have been impacted and the primary potential sources in the area need to be assessed for Potential National Priority List (NPL) consideration or State enforcement. This effort will be implemented by DTSC with assistance from USEPA under the Cooperative Agreement ID # 00T14601-2.

DTSC and EPA determined that implementation of this project is necessary in order to complete our joint effort to initiate further investigation of soil and groundwater in the general area which has contamination issues associated with Volatile Organic Compounds (VOCs) and metals.

Historical data collected in the area indicates that there are elevated levels of Heavy metals and Volatile Organic Compounds (VOCs) that were detected in soil and groundwater within the Paramount area, a mixed industrial and residential area. Specifically, data in the area indicates the presence elevated lead in soil and dust, Arsenic in soil and groundwater, and Volatile Organic Compounds in soil and groundwater. This discovery project used Geographic Information System (GIS) information to locate facilities in proximity to contaminated soil and impacted groundwater wells. The goal is to identify potential facilities that have contributed to soil and groundwater contamination.

2. Primary Contaminants of Concern

Concentration levels of Arsenic and lead in dust and soil exceeded residential health-based screening levels. VOCs, and Arsenic were also detected in the groundwater in this area at levels exceeding MCLs.

Well Name	Chemicals of Concern (COCs)	Concentration Range µg/l
██████████	Arsenic (As)	2.1-2.6
██████████	Arsenic (As)	5.7-6.7
██████████	TCE, AS	4.5-5.0
██████████	PCE	1.0
██████████	Arsenic (As)	18.7-21.1

Table1. Impacted Drinking Water Wells in Paramount Study Area

3. Salient Geologic and Hydrologic Elements

The Paramount Area is located in the Central Basin Pressure Area of the Coastal Plan of

Los Angeles County. This Basin is bounded on the north by a surface divide called the La Brea High and on the northeast and east by emergent less permeable Tertiary rocks of the Elysian, Repetto, Merced and Puente Hills. The southeast boundary between Central Basin and Orange County Groundwater Basin roughly follows Coyote Creek, which is a regional drainage province boundary. The southwest boundary is formed by the Newport Inglewood fault system and the associated folded rocks of the Newport Inglewood uplift. The Los Angeles and San Gabriel Rivers drain inland basins and pass across the surface of the Central Basin on their way to the Pacific Ocean. Average precipitation throughout the sub-basin ranges from 11 to 13 inches with an average of around 12 inches.

Throughout the Central Basin, groundwater occurs in Holocene and Pleistocene age sediments at relatively shallow depths. The Central Basin pressure area is the largest in the area, and contains many aquifers of permeable sands and gravels separated by semi-permeable to impermeable sandy clay to clay that extend to about 2,200 feet below the surface (DWR 1961). The estimated average specific yield of these sediments is around 18 percent. Throughout much of the sub-basin, the aquifers are confined, but areas with semipermeable aquicludes allow some interaction between the aquifers (DWR 1961).

Data shows that depth to shallow ground water (upper aquifer) range between 20-30 feet below ground surface in the Paramount area. The variable groundwater general flow is towards west to south east direction. At western border of this study area the Los Angeles River flows from north to the south towards the Pacific Ocean.

There are two (2) active Public Supply Wells (PSW), two (2) standby wells, and two (2) destroyed and inactive (PSW) within the Study Area. The two destroyed and inactive wells (for an unknown reason) are impacted with one or more of the chemical of concerns. Within one mile of the outside border of the study area there are four (4) active PSW and more than 5 inactive PSW for an unknown reason.

4. Geographic Extent of the Site

The Project is located in the city of Paramount, California, in Los Angeles County. The area is bounded on the North by the Century Freeway (105 FWY), on the west by the Long Beach Freeway (710 FWY), on the south by the Artesia Freeway (91 FWY), and on the east by Lakewood Boulevard (Figure A.)



Figure A. Paramount Site Discovery Study Area

5. Important Extenuating Circumstances / Impediments

Geological Information System (GIS) is the main tool to conduct the investigation. Using different layers of GIS, an initial list has been generated including all sites in the study area and near impacted wells. The GIS is a primary tool in identifying the groundwater problem and sources. Soil contamination is not a primary tool.

The study area is mixed residential-industrial. Site-specific sampling data in this area is limited. Identification of potential sites in this area is also limited to available data. The regional and local ground water flow direction varies over the discovery area which complicates identification of sites upgradient of the drinking water wells.

6. Findings Including number of sites at onset vs. final list of sites recommended for further consideration

The initial list of sites is based on following GIS layers:

- Drinking Water Wells
- SWB Drinking Water
- TRI2013CA, DTSC Cleanup and Investigation Sites
- DTSC Permitted Facilities
- RWQCB Sites Info Link Tool

- RWQCB Cleanup Sites
- CUPA Cal EPA CERS Facilities
- Historical Dry Cleaners
- HWTS Active Dry Cleaners
- HWTS Halogenated Generators
- HWTS All Generators
- HWTS Scrap Waste Recyclers
- Water Board NPDES Permitted Facilities
- HWTS TSD Facilities

This was determined by considering the distance to impacted drinking water wells, historical use of COCs, available data of shallow ground water sampling results from each corner of study area, any past regulatory involvement, and any known or suspected releases of COCs. Based on all this the list of sites recommended for further consideration was finalized. The final list includes 18 sites and has been prioritized very high to low based on potential risk. Wells [REDACTED] and [REDACTED] are the wells of concern in this site discovery report. After site visits, historical file reviews and analyzing the findings 11 sites have been selected for further investigation.

The 11 recommended sites for further investigation is based on VOCs and metals contamination in nearby groundwater wells. The investigations will determine if the sites contributed to the contamination.

Section A: Project Description

1.0 Introduction

The United States Environmental Protection Agency (USEPA) and The Department of Toxic Substances Control's (DTSC) objective for the Paramount Site Discovery Project (Project) is to identify the source(s) of Chemicals of Concern (COCs) release to the groundwater and soil from facilities that have used these COCs in their present or past operations.

1.1 Apparent Problem

This project was initiated because existing data indicates that area soil and groundwater have been impacted, and the primary potential sources in the area need to be assessed for NPL listing State enforcement. This effort was implemented by DTSC with assistance from USEPA under the Cooperative Agreement (00T14601-2).

DTSC and EPA have determined that implementation of this project is necessary in order to complete our joint effort to initiate remediation of soil groundwater in the general area which has contamination issues associated with some VOCs and metals.

Historical data collected in the area indicates that there are elevated levels of Arsenic, Lead and TCE detected in soil and groundwater within the Paramount area, a mixed industrial and residential area. Specifically, data in the area indicates the presence elevated lead in soil and dust, Arsenic in groundwater, and Volatile Organic Compounds in groundwater. This site discovery project used Geographic Information System (GIS) information to locate facilities in proximity to contaminated soil and impacted groundwater wells. The goal is to identify potential facilities that have contributed to soil and groundwater contamination.

1.2 General Approach to address problem

Site discovery for the Project will include considering sites within the study area and near the impacted ground water wells and impacted soil, historical use of COCs, available data of shallow ground water sampling results, any past regulatory involvement, any known or suspected releases of COCs, DTSC and Water Board online data bases such as Envirostor, Geotracker, Hazardous Waste Tracking System (HWTS), CalEPA Certified Unified Program Agency (CUPA), California Environmental Reporting System (CERS), National Pollutant Discharge Elimination System (NPDES) permit program and information from field inspection of the area conducted in November 2015 and May 2016.

Additional planned work is to conduct review of historical records and data information on Geographical Information System (GIS) revealed information

that identified contaminants of concern as well as potential facilities and sites that may have contributed to the present contamination in soil and groundwater. GIS maps will be prepared to show the capture zones of each impact Public Supply well and potential sources of present contamination. The GIS maps identified sites of potential sources of contamination using Special Prioritization Geographic Information Tools (SPGIT). The SPGIT will depend on groundwater flow direction, drinking well information, other wells information, and the capture zone around the wells, and all COCs releases information.

Sites were prioritized based on the following criteria and sequence:

- Presence of COCs
- Concentrations of COCs
- Sites hydraulically up gradient / Upwind or within proximity of contaminated wells and soil/dust
- Volume of waste produced / Size of contamination at the site
- Number of years in operation

Each of the prioritization criteria will be evaluated separately and will be given an evaluation score. The Site Discovery Report were developed based on these criteria where potential sites in the Paramount Discovery Area will be selected and prioritized.

2.0 Project Description

2.1 Study Area description

The Study area is located in the city of Paramount a mixed residential and industrial area. The Study area boundaries are the Century Freeway (105 FWY) to the north, the Long Beach Freeway (710 FWY) to the west, the Artesia Freeway (91 FWY) to the south, and Lakewood Boulevard to the east.

2.2 Hydrogeological Setting

This Study Area is situated in the Central Basin Pressure Area of the Coastal Plan of Los Angeles County. Data shows that depth to shallow ground water (upper aquifer) range between 20-30 feet below ground surface in the Paramount area. The groundwater general flow in the main drinking water aquifer is towards to the south east direction. The shallow groundwater is different from local ground water flow direction and the groundwater flow varies in various locations.

2.3 Discovery Site Universe Methodology and SPGIT Prioritization

The Initial list of sites in the Study Area was generated from several GIS layers: Drinking Water 2014, SWB Drinking Water, TRI2013CA, DTSC Cleanup and Investigation Sites, DTSC Permitted Facilities, RWQCB Sites Info Link Tool, RWQCB Cleanup Sites, CUPA Cal EPA CERS Facilities, Historical Dry

Cleaners, HWTS Active Dry Cleaners, HWTS Halogenated Generators, HWTS All Generators, HWTS Scrap Waste Recyclers, Water Board NPDES Permitted Facilities, HWTS TSD Facilities

Geological Information System (GIS) maps were prepared showing the capture zone of each impacted drinking water well and potential sites around it. A list of potential sites was generated using Spatial Prioritization Geographic Information Tool (SPGIT) considering local and regional ground water flow direction, drinking water well information, the capture zone around each well and any use and release of COCs in the area.

3.0 Site Discovery Area and Universe

3.1 No Further Action universe

No further action has been considered for the sites that are not in pumping capture zone of impacted wells, not a source of contamination for soil, no limited or no records related to historical use/ release of COCs, or active site under a regulatory agency.

3.2 Further Action Universe

Further action consideration was based on the distance to impacted drinking water wells, historical use of COCs, and available data of shallow ground water sampling results in the study area, any past regulatory involvement and any known or suspected releases of COCs.

The Sites were prioritized based on the following criteria and sequence:

- Presence of COCs
- Concentrations of COCs
- Sites hydraulically up gradient or proximity to contaminated wells and soil/dust
- Volume of waste produced / Size of contamination at the site
- Number of years in operation / Release of Toxic Substances

The following is a list of sites recommended for further consideration. The list includes 18 sites and has been given an initial prioritization score based on the potential risk presented above:

	Facility NAME	Street Address	CITY	EPA ID No.	Well	Priority
1	Paramount Petroleum Refinery	14700 DOWNEY AVE	PARAMOUNT	CAD008371098		Very High
2	ACE CLEARWATER ENTERPRISES INC	14105 S GARFIELD AVE	PARAMOUNT	CAD009520636		Very High
3	ENER TECH METALS INC	7815 SOMERSET BLVD	PARAMOUNT	CAL000279377		High
4	STAUB METALS CORP	7747 E ROSECRANS AVE	PARAMOUNT	CAL000159610		High
5	ALL METALS	15515 MINNESOTA AVE	PARAMOUNT	CAC002574282		High
6	GAMBERG METALS COMPANY INC	15348 ILLINOIS AVE	PARAMOUNT	CAL000250957		High
7	CARLTON FORGE WORKS	7743 E ADAMS ST	PARAMOUNT	CAL000045405 CAD983580473 CAL000370708 CAL000383806		Medium High
8	CERRO METAL PRODUCTS CO	14900 GARFIELD AVE	PARAMOUNT	CAD008501470		Medium High
9	PACIFIC METALS INC	15535 TEXACO AVE	PARAMOUNT	CAC002636465 CAD044407211 CAL000236003		Medium High
10	INTERNATIONAL METAL TRADING INC	15330 MINNESOTA AVE	PARAMOUNT	CAL000277810		Medium
11	JANKOVICH CO PARAMOUNT FACILTY	14066 GARFIELD AVE	PARAMOUNT	CAL000207842		Dropped
12	LEAVITTS METAL FINISHING	15131 ILLINOIS AVE	PARAMOUNT	CAD982332926		Medium High
13	FORMER FEDERATED-WEINER METALS FACILITY	14350 S GARFIELD	PARAMOUNT	CAL000317829 CAD981569379		Medium
14	APOLLO METAL CO INC	15315 ILLINOIS AVE	PARAMOUNT	CAC002581570		Medium
15	LACOSTA METAL FINISHING	15132 DOWNEY AVE	PARAMOUNT	CAC002629906		Low
16	MUNOZ METAL POLISHING	7340 MADISON	PARAMOUNT	CAD981584162		Low
17	PARAMOUNT Ready Mix Plant 23	7277 E ROSECRANS	PARAMOUNT	CAD983650474		Low

18	DICK'S METAL POLISHING	7311 MADISON ST	PARAMOUNT	CAD981387954		Low
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Table2. Further Action Sites

Two site visits have been conducted to visually inspect sites, one in May 25, 2016 and the most recent on June 1, 2016. During the site visits the area was checked, locations of the potential sites and the addresses were verified and current operations of the potential sites were noted.

3.3 Discovery Area: 3.1 vs. 3.2 sites; SPGIT Quads; Drinking Water Wells

After analyzing collected data , reviewing data bases, and analyzing the findings, 7 sites have been eliminated from the list. The following are the eliminated sites and the reasons for elimination:

	Facility NAME	Action	Reason for Elimination
1	Paramount Petroleum Refinery	Dropped	Active RWQCB Cleanup Site
2	ACE CLEARWATER ENTERPRISES INC	Dropped	Active DTSC Cleanup Site
3	CARLTON FORGE WORKS	Dropped	Active DTSC VCP Cleanup Site
4	CERRO METAL PRODUCTS CO	Dropped	Active RWQCB Cleanup Site
5	PACIFIC METALS INC	Dropped	Active RWQCB Cleanup Site
6	JANKOVICH CO, PARAMOUNT FACILTY	Dropped	Active RWQCB LUST site
7	FORMER FEDERATED-WEINER METALS FACILITY	Dropped	Active RWQCB LUST site

Table3. List of Dropped Sites

3.4 Drinking Water Wells locations & ID numbers w/histograms

There are two (2) active Public Supply Wells (PSW), two (2) standby wells, and two (2) destroyed and inactive (PSW) within the Study Area. The two destroyed and inactive wells (for an unknown reason) are impacted with one or more of the chemical of concerns. Within one mile of the outside border of the study area there are Four (4) active PSW and more than 5 inactive PSW for an unknown reason.

Well Name	COCs	ID number
Standby	AS	
Active	AS	
Standby	N/A	
E- Destroyed	TCE, AS	
Inactive	PCE	
Active	AS	

Table4. List of Contaminated Wells

See Figures for wells locations in the Study Area.

Well [REDACTED] and well [REDACTED] areas were considered in this study for site discovery. Histograms for both of these wells are presented in 5.5.11.

3.5 Further Action Universe CERCLIS/SEMS Status Sheets

The final list for further action has 11 sites. The sites were prioritized based on the risk potential using the evaluation criteria presented above are listed in Table 5 below:

	Facility NAME	Street Address	CITY	Priority
1	ENER TECH METALS INC	7815 SOMERSET BLVD	PARAMOUNT	High
2	STAUB METALS CORP	7747 E ROSECRANS AVE	PARAMOUNT	High
3	ALL METALS	15515 MINNESOTA AVE	PARAMOUNT	High
4	GAMBERG METALS COMPANY INC	15348 ILLINOIS AVE	PARAMOUNT	High
5	INTERNATIONAL METAL TRADING INC	15330 MINNESOTA AVE	PARAMOUNT	Medium High
6	LEAVITTS METAL FINISHING	15131 ILLINOIS AVE	PARAMOUNT	Medium High
7	APOLLO METAL CO INC	15315 ILLINOIS AVE	PARAMOUNT	Medium
8	LACOSTA METAL FINISHING	15132 DOWNEY AVE	PARAMOUNT	Low

9	MUNOZ METAL POLISHING	7340 MADISON	PARAMOUNT	Low
10	PARAMOUNT Ready Mix Plant 23	7277 E ROSECRANS	PARAMOUNT	Low
11	DICK'S METAL POLISHING	7311 MADISON ST	PARAMOUNT	Low

Table 5. Priority of Further Action Sites

4. Summary Findings and Conclusions

The initial list of sites was based on the following database GIS layers: Drinking Water 2014, SWB Drinking Water, TRI2013CA, DTSC Cleanup and Investigation Sites, DTSC Permitted Facilities, RWQCB Sites Info Link Tool, RWQCB Cleanup Sites, CUPA Cal EPA CERS Facilities, Historical Dry Cleaners, HWTS Active Dry Cleaners, HWTS Halogenated Generators, HWTS All Generators, HWTS Scrap Waste Recyclers, Water Board NPDES Permitted Facilities, HWTS TSD facilities.

The list of sites recommended for further considered the distance to impacted drinking water wells, historical use of COCs, available data of shallow ground water sampling results from each corner of study area, any past regulatory involvement and any known or suspected releases of COCs, and the sites were prioritized based on the following:

- a. Presence of COCs
- b. Concentrations of COSs
- c. Sites hydraulically up gradient/Upwind or near contaminated wells and soil/dust
- d. Volume of waste produced / Size of contamination at the site
- e. Number of years in operation / Release of Toxic Substances

The list includes 11 sites and has been prioritized very high to low based on potential risk and the above mentioned criteria. Wells ■ and ■ are the wells of concern in this site discovery report. All 11 sites are associated with Well ■ or Well ■ some of the site are also associated with soil and dust contamination. After site visits, and historical file reviews 11 sites have been selected for further investigation.

Section B: Further Action Universe Detail and Figures

5. Further Action Universe Description and Rationale:

The description and rational for each site is shown in the Table 6 below:

	Priority	Facility NAME	Street Address	CITY	Rational
1	High	ENER TECH METALS INC	7815 SOMERSET BLVD	PARAMOUNT	Very large operating steel foundry facility that fabricates metals for various high tech companies, oil companies, and various construction companies. Has been in business since 1986.
2	High	STAUB METALS CORP	7747 E ROSECRANS AVE	PARAMOUNT	Very Large steel manufacturing operating facility. Has been in business since 1980.
3	High	ALL METALS	15515 MINNESOTA AVE	PARAMOUNT	Metal grinding operating facility that handles metal bar grinding. In business since 2003.
4	High	GAMBERG METALS COMPANY INC	15348 ILLINOIS AVE	PARAMOUNT	A metal recycling operating facility that handles a variety of metals and have been in business for 55 years.
5	Medium High	INTERNATIONAL METAL TRADING INC	15330 MINNESOTA AVE	PARAMOUNT	A metal operating facility that recycle , process and prepare metal alloys for recycling.
6	Medium High	LEAVITTS METAL FINISHING	15131 ILLINOIS AVE	PARAMOUNT	A metal finishing operating facility, dust samples collected near facility showed 1000 PPM concentration, it is close to a kids skateboard park.
7	Medium	APOLLO METAL CO INC	15315 ILLINOIS AVE	PARAMOUNT	A medium size metal spinning and manufacturing operating facility that has been in business for more than 40 years. The manufacture motorcycle parts and various metal parts.
8	Low	LACOSTA METAL FINISHING	15132, 15136 DOWNEY AVE	PARAMOUNT	Metal finishing facility. Has been in business since 2004.

9	Low	MUNOZ METAL POLISHING	7340 MADISON	PARAMOUNT	Small metal polishing operating facility
10	Low	PARAMOUNT Ready Mix Plant 23	7277 E ROSECRANS	PARAMOUNT	An operating ready mix concrete facility that handles steel and various metals. It was founded in 1985 more than 30 years ago.
11	Low	DICK'S METAL POLISHING	7311 MADISON ST	PARAMOUNT	A former metal polishing facility that is now operated by Paramount Grinding Co. that is specialized in precision metal grinding and close tolerance part manufacturing. Been in business since 1981.

Table6. Further Action Sites Rational

5.1 Geographic and Analytical Attributes:

The distance to nearest impacted well and COCs associated with each well are shown in the Table 7 below:

	Facility NAME	Nearest Well	Priority	COCs	Distance to Well (ft)
1	ENER TECH METALS INC		High	AS	
2	STAUB METALS CORP		High	AS	
3	ALL METALS		High	AS, Lead	
4	GAMBERG METALS COMPANY INC		High	AS, Lead	
5	LEAVITTS METAL FINISHING		Medium High	AS, lead	
6	INTERNATIONAL METAL TRADING INC		Medium High	AS, lead	
7	APOLLO METAL CO INC		Medium	AS, lead	
8	LACOSTA METAL FINISHING		Low	AS, lead	
9	MUNOZ METAL POLISHING		Low	AS, Lead	
10	PARAMOUNT Ready Mix Plant 23		Low	AS, Lead	

11	DICK'S METAL POLISHING	██████	Low	AS, lead	██████
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Table7. Further Action Sites Proximity to Contaminated Wells

5.2 Operational History of Site: recommended for further investigation

Current status and operational history of each site is shown in Table 8 below:

	Priority	Facility NAME	Current Status	Operational History
1	High	ENER TECH METALS INC	Active Facility	A steel foundry facility that fabricates metals Have been in business since 1986.
2	High	STAUB METALS CORP	Active Facility	Steel manufacturing operating facility. Has been in business since 1980.
3	High	ALL METALS	Active Facility	Metal grinding facility. In business since 2003.
4	High	GAMBERG METALS COMPANY INC	Active Facility	Metal recycling facility that have been in business for 55 years.
5	Medium High	INTERNATIONAL METAL TRADING INC	Active Facility	A metal recycling facility.
6	Medium High	LEAVITTS METAL FINISHING	Active Facility	A metal finishing facility.
7	Medium	APOLLO METAL CO INC	Active Facility	A metal spinning and manufacturing facility that has been in business for more than 40 years.
8	Low	LACOSTA METAL FINISHING	Active Facility	Metal finishing facility. Has been in business since 2004.
9	Low	MUNOZ METAL POLISHING	Active Facility	Metal polishing facility.
10	Low	PARAMOUNT Ready Mix Plant 23	Active Facility	A ready mix concrete facility. It was founded in 1985 more than 30 years ago.
11	Low	DICK'S METAL POLISHING	Active Facility	A former metal polishing facility and a current Grinding facility. Have Been in business since 1981.

Table8. Further Action Sites Status and History

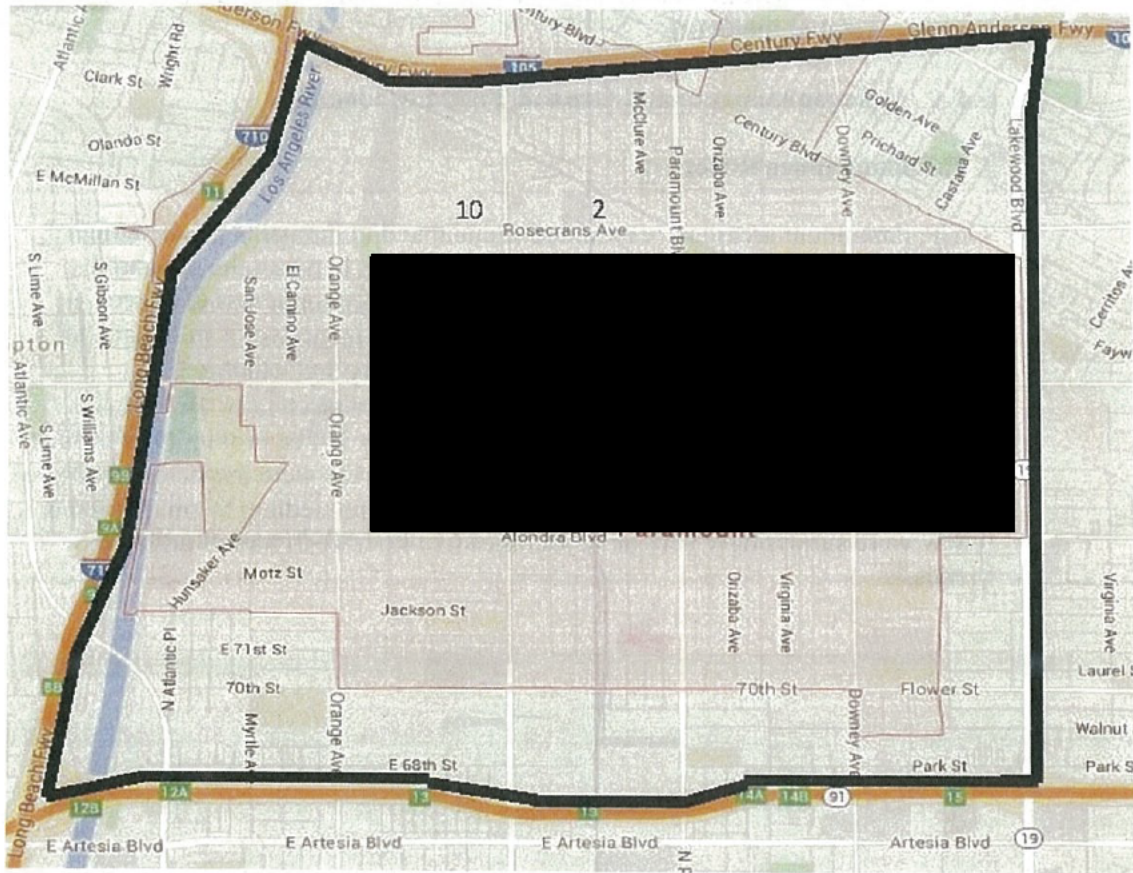
5.3 Regulatory/Assessment/Investigative Activities & Status: EPA, State, and/or local activities of note. This will include EPA PA/SI work, State VCA and ISOs, and CUPA actions (only if related to CoC related incident)

5.4 Reconnaissance and Ground Truthing Findings:

1. Reconnaissance Report

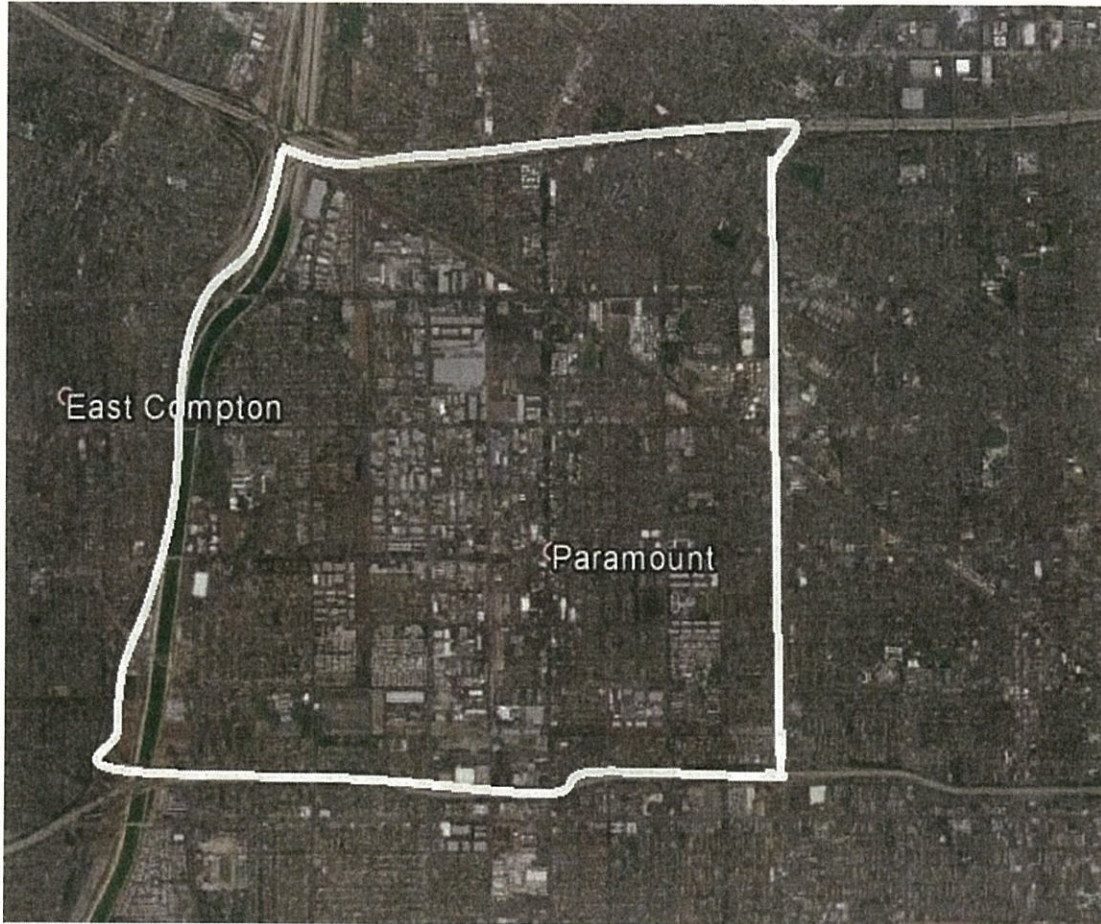
The Paramount areas are very mixed residential and industrial areas. Although some are mostly industrial, but residents are spread in between the industrial facilities. Many residential units were observed adjacent or across the street from industrial facilities. All potential facilities were inspected from outside to find out the conditions of the facility, size of facility and whether it is an operating facility. The locations and addresses were physically verified and pictures were taken for each facility (See Appendix). The proximity of the site to the contaminated wells was observed, and the areas were inspected to observe any unforeseen activities. Most of the facilities were medium to small size but a few were surprisingly very large facilities like Ener Tech Metals and Staub Metals.

2. Site Schematic



The “numbers” refer to the further action sites as listed in Table 8.

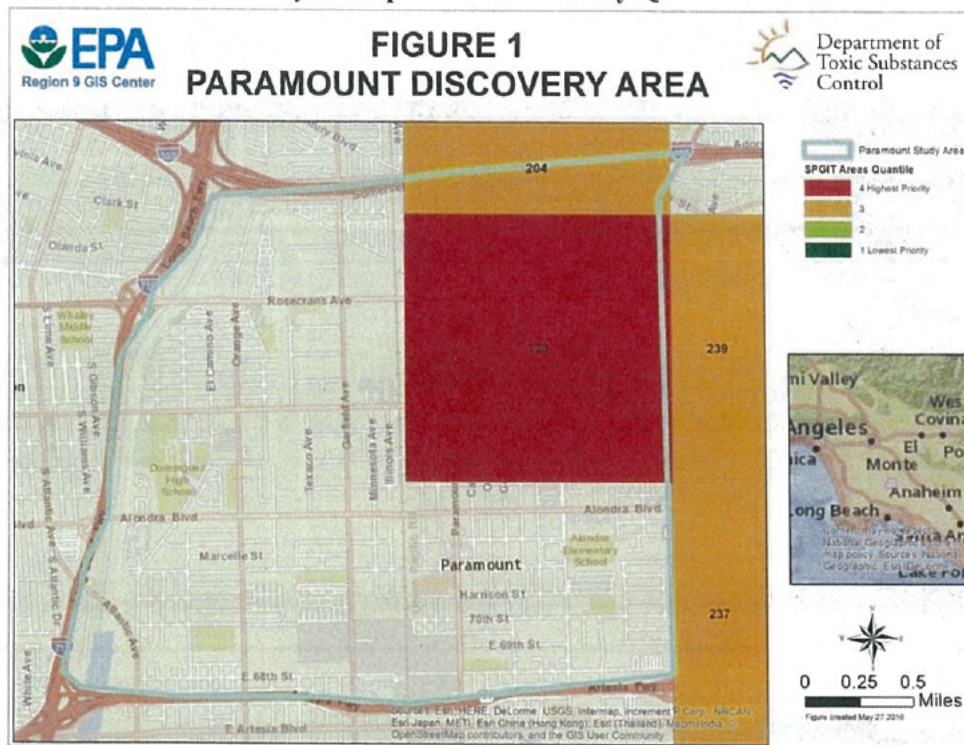
3. Site Ariel



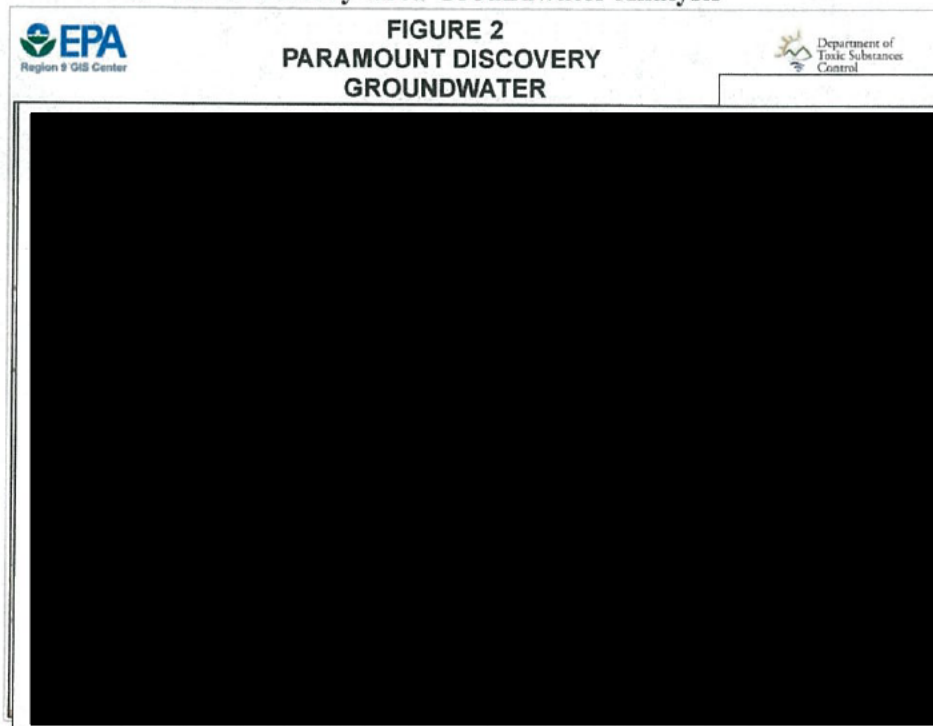
5.5 Required SPGIT Figures:

The following are GIS figures prepared by DTSC's GIS unit for the site discovery area along with Hazardous Waste Manifest Reports and Drinking Water Well Histograms. The Site Discovery in this report relied on these figures and reports.

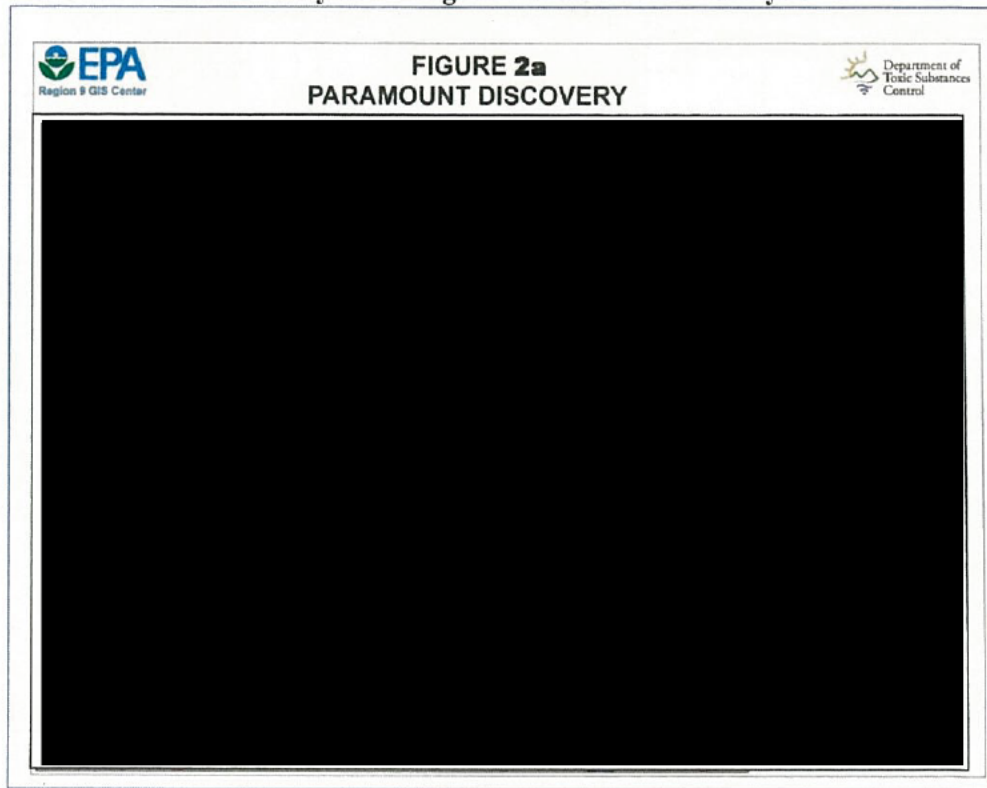
1. Site Discovery Area per SPGIT Priority Quads



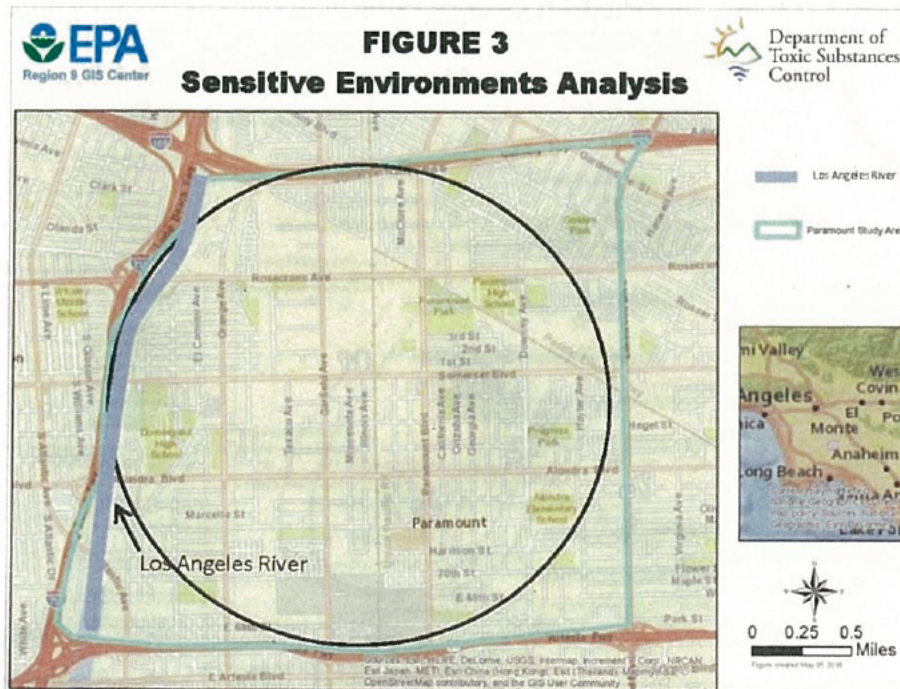
2. Site Discovery Area Groundwater Analysis



3. Site Discovery Area Regional Groundwater Analysis



4. Site Discovery Area Sensitive Environments Analysis – 1 mile buffer



Department of Toxic Substances Control

**FIGURE 4
ARSENIC IMPACTED
WELLS AND
FACILITIES OF
INTEREST**

2110
2100
2090
2080
2070
2060
2050
2040
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1980
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**FIGURE 5
PARAMOUNT DISCOVERY
ARSENIC IMPACTED**

Well 13 Conceptual Capture Zone
Paramount Study Area

SITE

1 Mile Buffer

DPH Well Contaminant Distribution

DPH Drinking Water Wells

RWQCB Well Contaminant Distribution

Groundwater Basins

1,4 DIOXANE
Carbon Tetrachloride
Total Chromium
Hexavalent Chromium
Perchlorate
Trichloroethylene
Trichloroethylene
AS

Approximate regional groundwater flow direction determined from Geospatial database

The selected APN site (red) is in the center of the circle buffer inside

Regional Water Quality Control Board (RWQCB)

Geospatial database used to create RWQCBs (see map sheet) buffer of maximum groundwater contaminant spread/impact

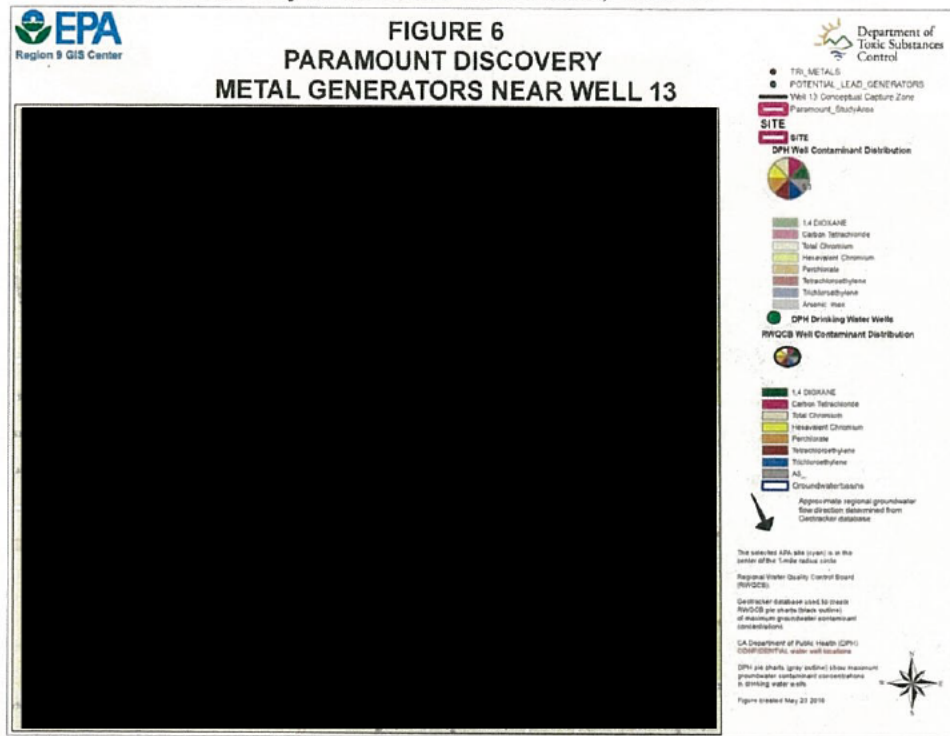
CA Department of Public Health (DPH) CONFIDENTIAL water well locations

DPH pie charts (gray outline) show maximum groundwater contaminant concentrations in drinking water wells

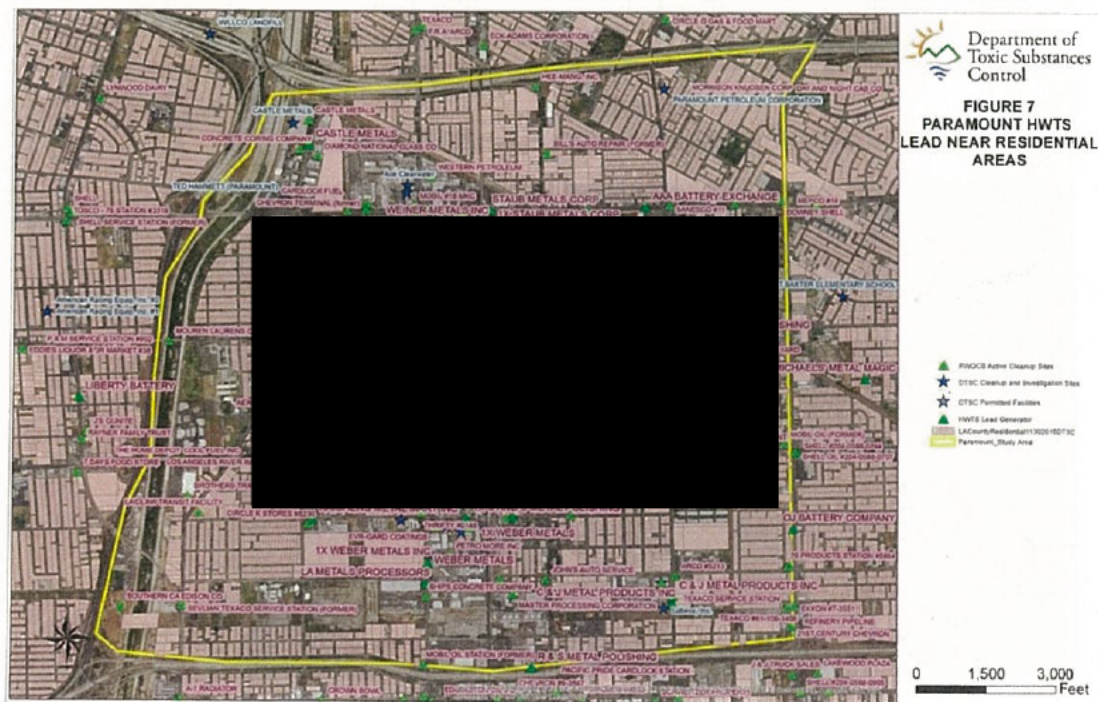
Figure created May 23, 2016

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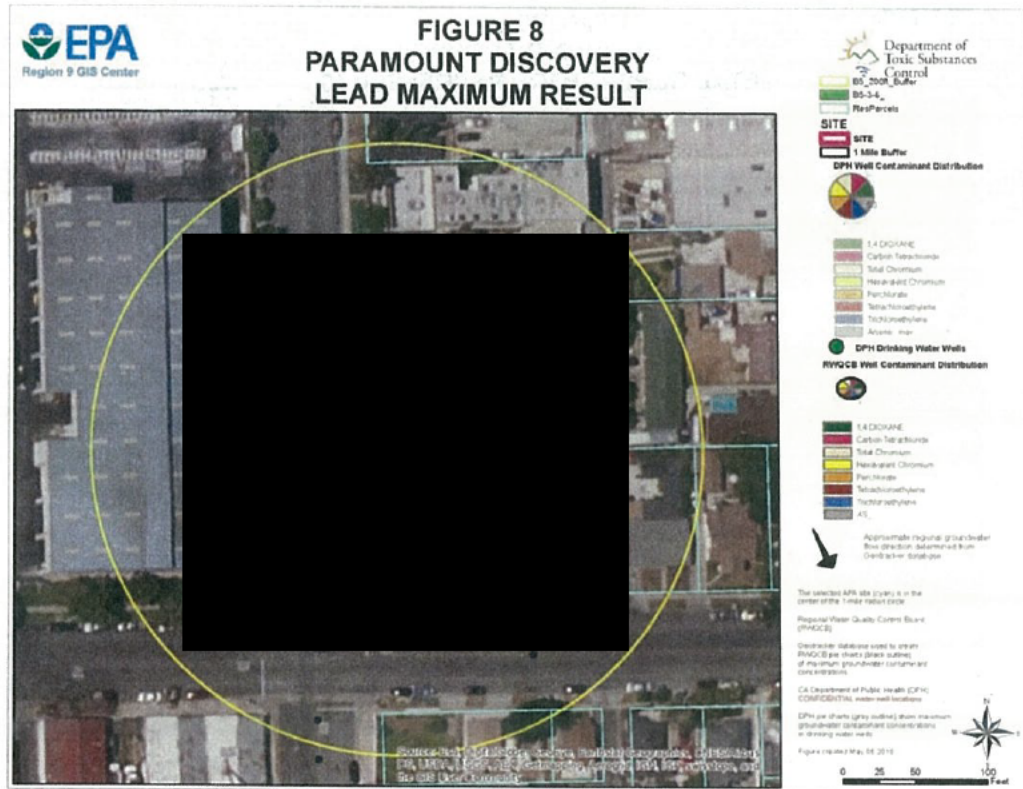
7. Site Discovery Area Metal Generators, [REDACTED]



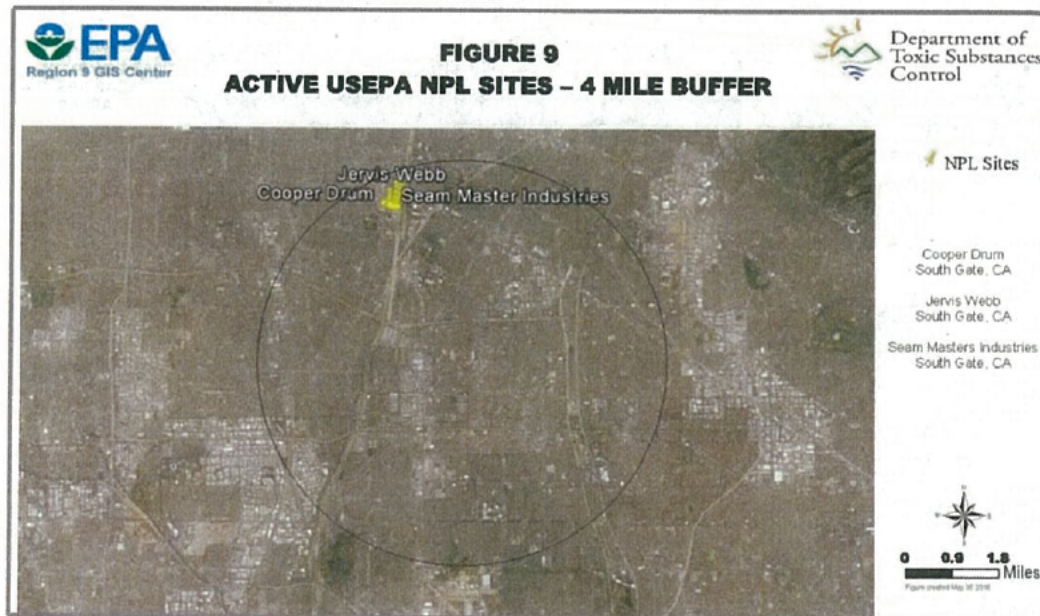
8. Site Discovery HWTS, RWQCB, DTSC, Lead near Residential Areas



9. Site Discovery Area Lead High Result – 200 ft. Buffer



10. Site Discovery Area, NPL Sites – 4 Mile buffer



11. Hazardous Waste Manifest Report Carlton Forge Works



Department of Toxic
Substances Control



HWTS - CM Waste Code By Year Matrix																				
EPA ID: CA0965580473 Name: CARLTON FORGE WORKS																				
Entity Generator																				
Cofc Code	Description	Weight (in Tons)																		
		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	TOTALS	358.38200	345.78760	418.72460	333.99320	210.57099	216.50611	452.91229	613.97894	536.69362	371.67371	396.47000	334.58890	537.83245	452.83925	523.19055	402.08285	461.28630	593.34315	12.08650
	BLANK																			
123	UNSPECIFIED ALKALINE SOLUTION										0.52125			19.25000	16.86100					
132	AQ SOL WITH METALS(SMALLER THAN RESTRICTED LEVELS AND SEE 121)																	50.56800		
133	AQ SOL (2 < PH < 12.5) W ORG RESIDUES >= 10%			0.45360														0.20850		
134	AQ SOL (2 < PH < 12.5) W ORG RESIDUES < 10%														0.73100					
135	UNSPECIFIED AQUEOUS SOLUTION (2 < PH < 12.5)							0.23100												
181	OTHER INORGANIC SOLID WASTE	10.00000			0.50000	0.10000		0.50000	0.65000	2.92500		0.65000	4.27500	315.57000	319.51040	462.82490	369.44800	365.80760	340.79800	
213	HYDROCARBON SOLVENTS																		0.41700	
214	UNSPECIFIED SOLVENT MIXTURE					0.03000		0.01800						0.19000	0.36000					
221	WASTE OIL AND MIXED OIL	182.37800	131.30140	160.03700	101.77920	78.29900	111.92900	153.98740	211.02540	136.40300	6.46000	1.90000		35.89100	44.40600	23.48400	0.05000			5.20000
222	OIL/WATER SEPARATION SLUDGE	5.00400		12.51000				19.12360	90.84760	130.78170	104.56275	90.36390	88.61750	20.01600	8.34000				46.50000	
223	UNSPECIFIED OIL-CONTAINING WASTE	126.00000	214.18620	245.51900	231.48470	131.58090	104.57210	298.17589	383.17992	254.49000	233.83000	277.72500	240.00000	76.38345	51.60375	28.12665	30.92055	44.45120	185.37815	6.88050
291	LATEX WASTE				0.22930															
331	OFF-SPEC, ACID, OR SURPLUS ORGANICS													0.44750		0.16500	1.10750			
343	UNSPECIFIED ORGANIC LIQUID MIXTURE					0.56100			0.37400		0.56100		0.79900	0.05130	0.25000	0.35000	0.25000	0.25000		
352	OTHER ORGANIC SOLIDS	30.00000							51.85600		10.00000								16.10000	
451	PAINT SLUDGE		0.30000									0.55000		0.32500						
491	UNSPECIFIED SLUDGE WASTE													0.30000						
513	EMPTY CONTAINERS < 30 GALLONS			0.20000																
551	LABORATORY WASTE CHEMICALS																0.16000			
591	BAGHOUSE WASTE																		2.50000	
	TOTALS	358.38200	345.78760	418.72460	333.99320	210.57099	216.50611	452.91229	613.97894	536.69362	371.67371	396.47000	334.58890	537.83245	452.83925	523.19055	402.08285	461.28630	593.34315	12.08650



Department of Toxic Substances Control



EPA ID: CAL000370708 Name: CARLTON FORGE WORKS
Entity: Generator

To show more years, use the dropdowns below.
When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from: 2012 through shipment year: 2013 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calf Code	Description	Weight (in Tons)	2012	2013
	TOTALS		29.82900	7.57000
135	UNSPECIFIED AQUEOUS SOLUTION (2 < PH < 12.5)	11.52000	4.60000	
181	OTHER INORGANIC SOLID WASTE	14.80000	2.80000	
352	OTHER ORGANIC SOLIDS	1.50000		
	TOTALS		29.82900	7.57000



Department of Toxic Substances Control



EPA ID: CAL000381806 Name: CARLTON FORGE WORKS - MACHINE SHOP
Entity: Generator

To show more years, use the dropdowns below.
When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from: 2013 through shipment year: 2015 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calf Code	Description	Weight (in Tons)	2013	2014	2015
	TOTALS		11.86000	26.62000	14.70000
135	UNSPECIFIED AQUEOUS SOLUTION (2 < PH < 12.5)	2.48000	15.20000	1.10000	
181	OTHER INORGANIC SOLID WASTE	11.38000	11.40000	10.10000	
223	UNSPECIFIED OIL-CONTAINING WASTE		2.20000	5.20000	
	TOTALS		11.86000	26.62000	14.70000



Department of Toxic Substances Control



EPA ID: CAL000045405 Name: CARLTON FORGE WORKS INC
Entity: Generator

To show more years, use the dropdowns below.
When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from: 2002 through shipment year: 2002 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calf Code	Description	Weight (in Tons)	2002
	TOTALS		1.06000
221	WASTE OIL AND MIXED OIL	1.05000	
	TOTALS		1.06000

Cerro Products Co.



Department of Toxic
Substances Control



HWTS - Calif. Waste Code By Year Matrix

EPA ID: CAD000101470 Name: CERRO METAL PRODUCTS CO
Entity: Generator

To show more years, use the dropdown below.
When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from: 1993 through shipment year: 2004 Filter

Print Printout Spreadsheet to download as Excel spreadsheet of the data shown below.

Calif Code	Description	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
	TOTALS	148,777.78	161,789.00	111,638.79	138,000.00	187,170.00	148,479.88	177,545.78	184,914.00	177,545.78	186,777.88	174,844.00	13,888,914.14
BLANK						20,000.00		2,700.00					
***	Special Waste Code	2,000.00			1,200.00								
111	ALKALINE SOLUTION (PH=12.5) W/ METALS											14,700.00	1,000.00
112	ALKALINE SOLUTION (PH=12.5) W/O METALS				3,100.00			2,300.00					
113	UNSPECIFIED ALKALINE SOLUTION											2,000.00	
114	AQ SOL (2- PH=12.5) W ORG RESIDUES=10%				1,100.00								
115	UNSPECIFIED AQUEOUS SOLUTION (2- PH=12.5)		20,000.00	20,000.00	20,000.00	20,000.00	21,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	2,000.00
141	OFF-SPEC, AGED, OR SURPLUS INORGANICS												2,000.00
119	ASBESTOS-CONTAINING WASTE			2,000.00									20,000.00
170	METAL SLUDGE				20,000.00	20,000.00							
181	OTHER INORGANIC SOLID WASTE	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	2,000.00
514	UNSPECIFIED SOLVENT MIXTURE							2,000.00					
511	WASTE OIL AND MIXED OIL												
522	DR. WASTE SEPARATION SLUDGE		10,000.00	10,000.00	10,000.00	10,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	2,000.00
523	UNSPECIFIED OIL-CONTAINING WASTE		10,000.00	10,000.00	10,000.00	10,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	2,000.00
541	POLYCHLORINATED BIPHENYLS & MATLS W/					1,000.00		2,000.00				2,000.00	
531	OFF-SPEC, AGED, OR SURPLUS ORGANICS			1,000.00				2,000.00				2,000.00	
543	UNSPECIFIED ORGANIC LIQUID MIXTURE					2,000.00		2,000.00				2,000.00	
552	OTHER ORGANIC SOLIDS					2,000.00		2,000.00				2,000.00	
562	Halogen											20,000.00	10,000.00
491	UNSPECIFIED SLUDGE WASTE					20,000.00	2,000.00	2,000.00				20,000.00	10,000.00
541	PHOTOCHEMICALS, PHOTOPROCESSING WASTE			2,000.00									
551	LABORATORY WASTE CHEMICALS			2,000.00	2,000.00								2,000.00
591	SLUDGE WASTE	20,000.00	20,000.00	10,000.00		1,000.00	1,000.00	2,000.00	2,000.00	2,000.00	2,000.00		
611	CONTAMINATED SOILS FROM SITE CLEAN-UP				20,000.00								
720	LIQUIDS WITH MERCURY >= 20 MG/L					2,000.00							2,000.00
731	LIQUIDS WITH PCBs >= 10 MG/L				10,000.00								
741	LIQ W/ HALOGEN ORGANIC COMP >= 1000 MG/L				2,000.00								2,000.00
751	SOLIDS SLUDGES W/ HALOGENATED ORGANIC COMP >= 1,000MG/Kg							2,000.00					
791	LIQUIDS W PH=2			2,000.00	2,000.00		2,000.00				2,000.00	2,000.00	2,000.00
792	LIQUIDS W PH=2 W METALS							2,000.00					
	TOTALS	148,777.78	161,789.00	111,638.79	138,000.00	187,170.00	148,479.88	177,545.78	184,914.00	177,545.78	186,777.88	174,844.00	13,888,914.14

Ace Clearwater Enterprise



**Department of Toxic
Substances Control**



EPA ID: CAD009520636 Name: ACE CLEARWATER ENTERPRISES

Entity: Generator

To show more years, use the dropdowns below.

When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from... 2011 through shipment year: 2015 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Caltf Code	Description	Weight (in Tons)				
		2011	2012	2013	2014	2015
	TOTALS	8.34895	5.11200	6.45760	21.28325	55.08335
134	AQ SOL (2 < PH < 12.5) W ORG RESIDUES < 10%			1.15500		13.75500
135	UNSPECIFIED AQUEOUS SOLUTION (2 < PH < 12.5)				0.13750	13.02000
141	OFF-SPEC, AGED, OR SURPLUS INORGANICS	0.10000			8.75700	
181	OTHER INORGANIC SOLID WASTE	3.85000	0.52500	0.09000	1.02500	0.07500
214	UNSPECIFIED SOLVENT MIXTURE					0.10800
221	WASTE OIL AND MIXED OIL	0.20900		0.10000	0.20900	0.20900
223	UNSPECIFIED OIL-CONTAINING WASTE				6.25500	0.58380
291	LATEX WASTE	0.22935		0.16680		
331	OFF-SPEC, AGED, OR SURPLUS ORGANICS	0.28600		0.04380		0.16500
551	LABORATORY WASTE CHEMICALS	0.12510		1.46175		
725	LIQUIDS WITH MERCURY >= 20 MG/L	0.00500				
791	LIQUIDS W PH<=2	3.54450	4.58700	3.44025	4.89975	15.90855
792	LIQUIDS W PH<=2 W METALS					11.25900
	TOTALS	8.34895	5.11200	6.45760	21.28325	55.08335

Paramount Petroleum Corporation



**Department of Toxic
Substances Control**



EPA ID: CAD008371098 Name: PARAMOUNT PETROLEUM CORP

Entity: Generator

To show more years, use the dropdowns below.

When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from... 2011 through shipment year: 2015 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif. Code	Description	Weight (in Tons)				
		2011	2012	2013	2014	2015
	TOTALS	199.39100	110.01200	155.14400	895.67500	211.38000
	BLANK	59.74500		14.56400	0.31800	
123	UNSPECIFIED ALKALINE SOLUTION			0.20000		4.80000
141	OFF-SPEC, AGED, OR SURPLUS INORGANICS			0.62500	0.62500	0.60000
151	ASBESTOS-CONTAINING WASTE	14.13000	0.54000	1.15000	6.78000	0.91000
162	OTHER SPENT CATALYST	6.47250		2.92000		
181	OTHER INORGANIC SOLID WASTE	71.29000	36.08000	8.85000	47.22000	47.82000
211	HALOGENATED SOLVENTS				10.75000	
212	OXYGENATED SOLVENTS				0.05000	
214	UNSPECIFIED SOLVENT MIXTURE			0.40000	0.08000	0.09000
222	OIL/WATER SEPARATION SLUDGE			1.04250		
223	UNSPECIFIED OIL-CONTAINING WASTE			14.41000	6.57500	1.37500
241	TANK BOTTOM WASTE			67.74000	703.70000	142.48000
291	LATEX WASTE			0.50000	0.08000	
331	OFF-SPEC, AGED, OR SURPLUS ORGANICS			9.44550	11.04500	1.70000
352	OTHER ORGANIC SOLIDS	47.53350	68.66200	32.89700	16.32200	2.38500
491	UNSPECIFIED SLUDGE WASTE		4.73000			
611	CONTAMINATED SOILS FROM SITE CLEAN-UP				91.41000	9.22000
741	LIQ W/ HALOGEN ORGANIC COMP >= 1000 MG/L	0.22000				
791	LIQUIDS W PH<=2			0.40000	0.72000	
	TOTALS	199.39100	110.01200	155.14400	895.67500	211.38000

Weiner Metals Inc.

DTSCNet

Department of Toxic Substances Control



HWTS - Calif. Waste Code By Year Matrix

EPA ID: CAD981569379 Name: WEINER METALS INC
Entity: Generator

To show more years, use the dropdowns below.
When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from: 1993 through shipment year 2002 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif. Code	Description	Weight (in Tons)						
		1993	1995	1996	1998	1999	2000	2002
	TOTALS	1,159,00000	4,76900	2,35000	2,79300	0,20000	0,25020	0,18765
133	AQ SOL (2 < PH < 12.5) W ORG RESIDUES >= 10%						0,25020	0,18765
221	WASTE OIL AND MIXED OIL		4,76900	2,35000	2,79300			
272	POLYMERIC RESIN WASTE					0,20000		
611	CONTAMINATED SOILS FROM SITE CLEAN-UP	1,159,00000						
	TOTALS	1,159,00000	4,76900	2,35000	2,79300	0,20000	0,25020	0,18765

Leavitts Metal Finishing

DTSCNet

Department of Toxic Substances Control



HWTS - Calif. Waste Code By Year Matrix

EPA ID: CAD982332926 Name: LEAVITTS METAL FINISHING
Entity: Generator

To show more years, use the dropdowns below.
When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from: 1993 through shipment year 2009 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif. Code	Description	Weight (in Tons)										
		1993	1994	1995	2000	2003	2004	2005	2006	2007	2008	2009
	TOTALS	2,25000	1,14670	1,31800	1,68560	2,45870	4,41740	1,00000	2,94675	1,35000	1,85870	0,37935
132	AQ SOL WITH METALS(SMALLER THAN RESTRICTED LEVELS AND SEE 121)		1,14670									
171	METAL SLUDGE	2,25000										
181	OTHER INORGANIC SOLID WASTE			1,80000	1,68560	2,00000	1,50000	1,00000	1,80000	1,35000	0,60000	0,15000
212	OXYGENATED SOLVENTS			0,01800								
791	LIQUIDS W PH <= 2											0,22935
792	LIQUIDS W PH <= 2 W METALS					0,43870	0,91740		1,16675		0,43870	
	TOTALS	2,25000	1,14670	1,31800	1,68560	2,45870	4,41740	1,00000	2,94675	1,35000	1,85870	0,37935

Pacific Metals



Department of Toxic Substances Control



HWTS - Calif Waste Code By Year Matrix

EPA ID: CAC0002616465 Name: PACIFIC METALS INC
Entity: Generator

To show more years, use the dropdowns below.
When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from 2008 through shipment year 2008 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif Code	Description	Weight (in Tons)
		2008
	TOTALS	6.90000
352	OTHER ORGANIC SOLIDS	6.90000
	TOTALS	6.90000



Department of Toxic Substances Control



HWTS - Calif Waste Code By Year Matrix

EPA ID: CAD04407211 Name: AEROSPACE ALUMINUM HEAT TREATING CO
Entity: Generator

To show more years, use the dropdowns below.
When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from 1993 through shipment year 2002 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif Code	Description	Weight (in Tons)							
		1993	1994	1995	1996	1997	1999	2000	2002
	TOTALS	1.30210	1.27110	2.52630	3.98200	5.62950	4.17000	2.50000	0.45870
	BLANK								
133	AQ SOL (2 < PH < 12.5) W ORG RESIDUES >= 10%			0.90000					
212	OXYGENATED SOLVENTS				0.36300				
221	WASTE OIL AND MIXED OIL	0.76000	0.82080	0.20800	3.34400				
222	OIL WATER SEPARATION SLUDGE					5.67810			
223	UNSPECIFIED OIL-CONTAINING WASTE			0.22810			4.17000	2.50000	0.45870
352	OTHER ORGANIC SOLIDS			0.50000	0.77000				
741	LIQ W/ HALOGEN ORGANIC COMP >= 1000 MG/L	0.54210	0.45010	0.68800					
	TOTALS	1.30210	1.27110	2.52630	3.98200	5.62950	4.17000	2.50000	0.45870



Department of Toxic Substances Control



HWTS - Calif Waste Code By Year Matrix

EPA ID: CAL000236003 Name: BODY COTE THERMAL PROCESSING DBA
Entity: Generator

To show more years, use the dropdowns below.
When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from 2002 through shipment year 2008 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif Code	Description	Weight (in Tons)				
		2002	2003	2006	2007	2008
	TOTALS	2.22930	2.81820	48.97560	20.06530	26.03650
	BLANK			4.21000	8.42800	
134	AQ SOL (2 < PH < 12.5) W ORG RESIDUES < 10%				0.00210	
181	OTHER INORGANIC SOLID WASTE				0.35000	18.65600
221	WASTE OIL AND MIXED OIL				2.64100	
223	UNSPECIFIED OIL-CONTAINING WASTE	0.72810	2.81820		1.75140	6.93010
331	OFF-SPEC, AGED, OR SURPLUS ORGANICS					0.15000
352	OTHER ORGANIC SOLIDS	1.50000		43.82360	6.74240	0.10000
512	OTHER EMPTY CONTAINERS >= 30 GALLONS				0.15000	
	TOTALS	2.22930	2.81820	48.97560	20.06530	26.03650

Staub Metals



Department of Toxic Substances Control



HWTS - Calif. Waste Code By Year Matrix

EPA ID: CAL000159610 Name: STAUB METALS CORP

Entity: Generator

To show more years, use the dropdowns below.

When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from... 1995 through shipment year: 1998 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif. Code	Description	Weight (in Tons)
		1998
	TOTALS	1.37610
223	UNSPECIFIED OIL-CONTAINING WASTE	1.37610
	TOTALS	1.37610

Lacosta Metal Finishing



Department of Toxic Substances Control



HWTS - Calif. Waste Code By Year Matrix

EPA ID: CAC002629906 Name: LACOSTA METAL FINISHING

Entity: Generator

To show more years, use the dropdowns below.

When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from... 2008 through shipment year: 2008 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif. Code	Description	Weight (in Tons)
		2008
	TOTALS	0.19000
221	WASTE OIL AND MIXED OIL	0.19000
	TOTALS	0.19000

All Metals



Department of Toxic Substances Control



HWTS - Calif. Waste Code By Year Matrix

EPA ID: CAC002574282 Name: ALL METALS

Entity: Generator

To show more years, use the dropdowns below.

When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from... 2004 through shipment year: 2004 [Filter](#)

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif. Code	Description	Weight (in Tons)
		2004
	TOTALS	0.91740
133	AQ SOL (2 < PH < 12.5) W ORG RESIDUES >= 10%	0.91740
	TOTALS	0.91740

Gamberg Metals Company



Department of Toxic Substances Control



HWTS - Calif. Waste Code By Year Matrix

EPA ID: CAL000250957 Name: GAMBERG METALS COMPANY INC

Entity: Generator

To show more years, use the dropdowns below.

When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from... 2003 through shipment year: 2014 [Filter](#)

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif. Code	Description	Weight (in Tons)							
		2003	2005	2006	2007	2009	2010	2012	2014
	TOTALS	4.61700	5.32000	18.62000	20.78600	1.42500	1.33000	1.04500	1.52000
221	WASTE OIL AND MIXED OIL	4.61700	5.32000	18.62000	20.78600	1.42500	1.33000	1.04500	1.52000
	TOTALS	4.61700	5.32000	18.62000	20.78600	1.42500	1.33000	1.04500	1.52000

International Metal Trading



Department of Toxic Substances Control



HWTS - Calif. Waste Code By Year Matrix

EPA ID: CAL000277810 Name: INTERNATIONAL METAL TRADING INC
Entity: Generator

To show more years, use the dropdowns below.
When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from: 2004 through shipment year: 2005 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif. Code	Description	Weight (in Tons)	
		2004	2005
	TOTALS	0.20900	1.36800
221	WASTE OIL AND MIXED OIL	0.20900	1.36800
	TOTALS	0.20900	1.36800

Ener Tech metals



Department of Toxic Substances Control



HWTS - Calif. Waste Code By Year Matrix

EPA ID: CAL000279377 Name: ENER TECH METALS INC
Entity: Generator

To show more years, use the dropdowns below.
When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from: 2004 through shipment year: 2015 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif. Code	Description	Weight (in Tons)											
		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	TOTALS	0.30000	0.12500	5.69060	0.85050	0.88000	0.69435	0.08000	0.49000	0.47500	0.25000	0.15000	0.21500
221	WASTE OIL AND MIXED OIL			0.14060									
321	SEWAGE SLUDGE					0.22935							
331	OFF-SPEC, AGED, OR SURPLUS ORGANICS				0.40000	0.76500							
352	OTHER ORGANIC SOLIDS	0.30000	0.12500	5.55000	0.85050	2.48000	0.18500	0.08000	0.48000	0.47500	0.25000	0.15000	0.21500
513	EMPTY CONTAINERS < 30 GALLONS					0.01500							
	TOTALS	0.30000	0.12500	5.69060	0.85050	0.88000	0.69435	0.08000	0.49000	0.47500	0.25000	0.15000	0.21500

Jankovich Co.



Department of Toxic Substances Control



HWTS - Calif. Waste Code By Year Matrix

EPA ID: CAL000207842 Name: JANKOVICH CO

Entity: Generator

To show more years, use the dropdowns below.

When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from: 1999 through shipment year: 2016 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif. Code	Description	Weight (in Tons)																		
		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
	TOTALS	3.20999	0.72810	3.03000	3.03000	4.17900	17.61200	18.36300	10.34070	22.20810	27.93300	10.21800	48.96700	49.17000	30.80000	14.49000	48.47000	49.32000	1.82000	
123	UNSPECIFIED ALKALINE SOLUTION						1.04700	2.08300												
133	AQ SOL (2 < PH < 12.5) W ORG RESIDUES >= 10%							0.21000												
134	AQ SOL (2 < PH < 12.5) W ORG RESIDUES < 10%							0.21000												
135	UNSPECIFIED AQUEOUS SOLUTION (2 < PH < 12.5)				0.40000		0.73000	1.08000	2.11000	11.78000	22.21800	41.36000	48.53000	28.18100	11.72000	18.74000	41.37000	48.83000	2.53000	
221	WASTE OIL AND MIXED OIL	1.20000	0.14200							0.67300					1.62000					
222	OIL/WATER SEPARATION SLUDGE		0.18610	1.71800				3.31600												
223	UNSPECIFIED OIL-CONTAINING WASTE			0.40000	0.70000	0.61100	1.11000	10.54970	4.81100		4.79300		0.64000							
241	TANK BOTTOM WASTE					0.61200	0.41000													
343	UNSPECIFIED ORGANIC LIQUID MIXTURE					0.60100		2.21000										1.70000		
352	OTHER ORGANIC SOLIDS			0.40000	1.20000	1.81000	1.00000	6.00200	3.18000	5.71200	6.87200	3.01200	2.12000	5.11000	4.70000	1.80000	1.70000			
611	CONTAMINATED SOILS FROM SITE CLEAN-UP						1.70000													
661	Unknown							16.81000												
	TOTALS	3.20000	0.72810	3.03000	3.03000	4.17900	17.61200	18.36300	10.34070	22.20810	27.93300	10.21800	48.96700	49.17000	30.80000	14.49000	48.47000	49.32000	1.82000	

Pacific Metals Inc.



Department of Toxic Substances Control



HWTS - Calif. Waste Code By Year Matrix

EPA ID: CAC002636465 Name: PACIFIC METALS INC

Entity: Generator

To show more years, use the dropdowns below.

When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from: 2008 through shipment year: 2008 Filter

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif. Code	Description	Weight (in Tons)
	TOTALS	0.90000
352	OTHER ORGANIC SOLIDS	0.90000
	TOTALS	0.90000

Munoz Metal Polishing



Department of Toxic Substances Control



HWTS - Calif. Waste Code By Year Matrix

EPA ID: CAD981584162 Name: MUNOZ METAL POLISHING

Entity: Generator

To show more years, use the dropdowns below.

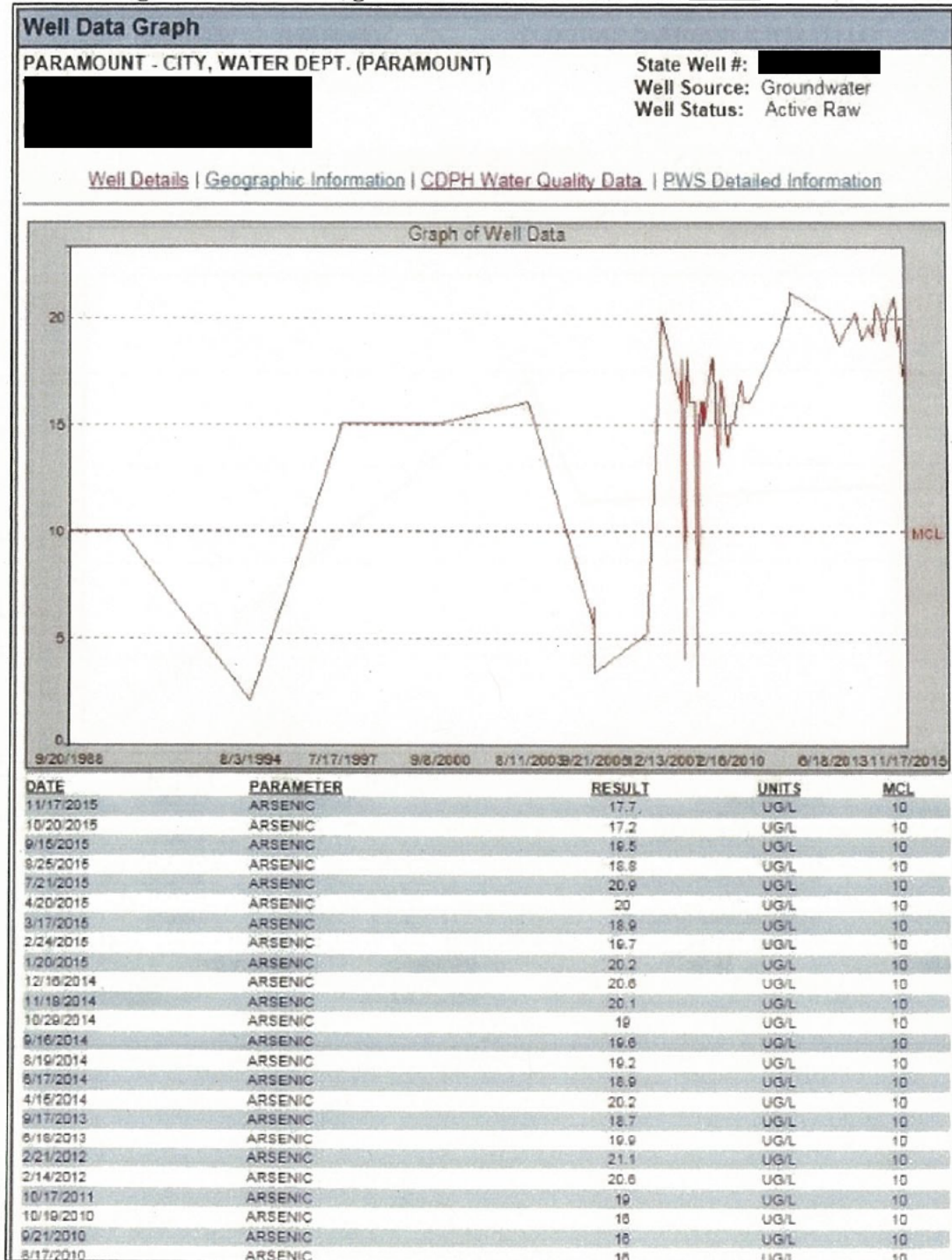
When you select blanks as the year range, only the most recent years will be shown.

Filter by shipment year from... 1993 through shipment year: 1993 [Filter](#)

Press [Produce Spreadsheet](#) to download an Excel spreadsheet of the data shown below.

Calif. Code	Description	Weight (in Tons)
		1993
	TOTALS	0.14400
212	OXYGENATED SOLVENTS	0.14400
	TOTALS	0.14400

12. Drinking Water Well Histogram for all Well [REDACTED] and Well [REDACTED]



Well Data Graph

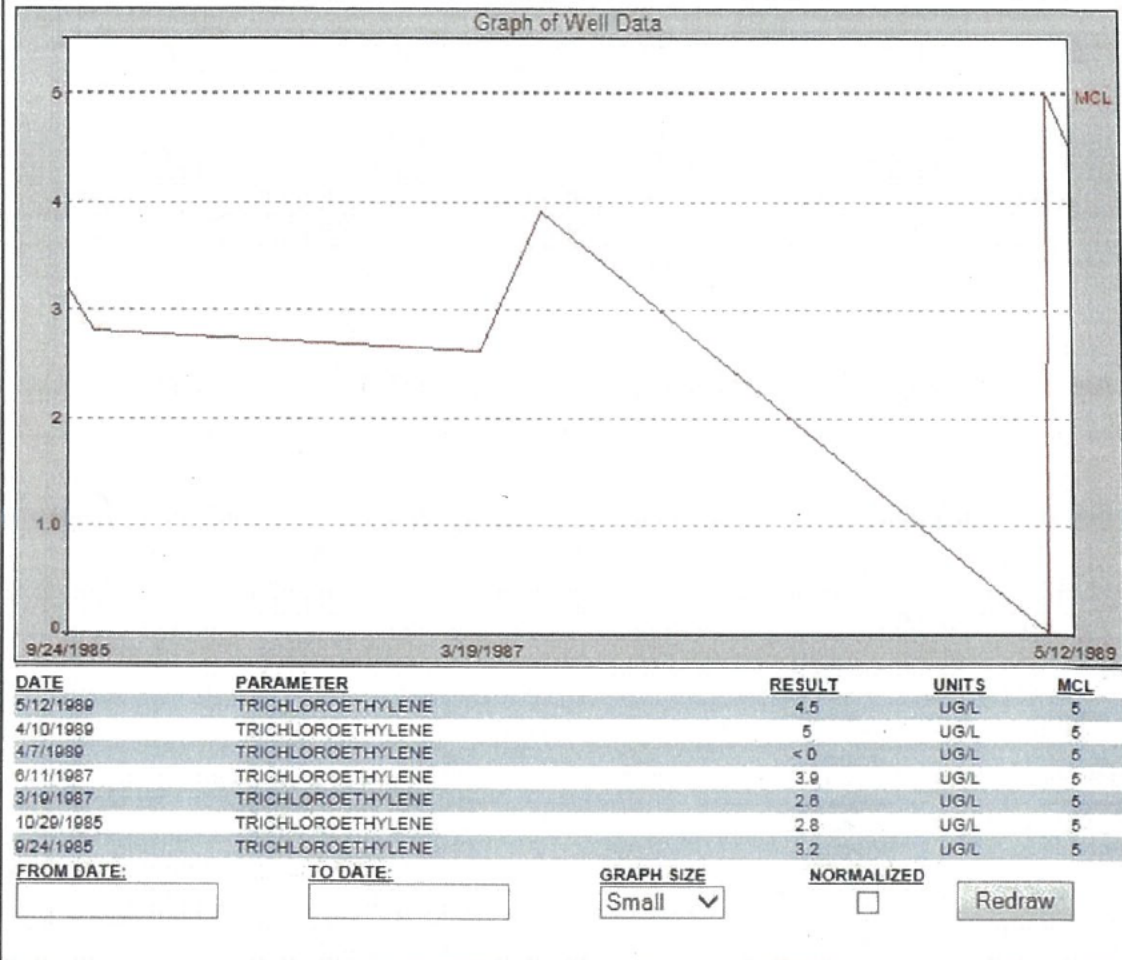
PARK WC - BELLFLOWER-NORWALK (DOWNEY)

State Well #: [REDACTED]

Well Source: Groundwater

Well Status: Inactive Raw

[Well Details](#) | [Geographic Information](#) | [CDPH Water Quality Data](#) | [PWS Detailed Information](#)



5.6 Site Specific Rationale for proceeding

Ener Tech Metals: A large metal manufacturing site that fabricates structures and other steel products for the following industries: energy, chemical, and electrical among others. It is located within [REDACTED] feet from [REDACTED] and it is exactly upgradient to [REDACTED]. The site looks very old, the company operating this site have been in business since 1986 (30 years ago).

Staub Metals: A large metal manufacturing facility that fabricates steel from start to finish. It is located [REDACTED] feet upgradient from [REDACTED]. This company has been in business since 1980 (36 years ago).

All Metals: A grinding operation facility. They grind different types of metals. It is located [REDACTED] feet cross gradient from [REDACTED]. The facility is upwind from lead contaminated soil and dust area. This company has been operating at this location since 2033 (13 years ago).

Gamberg Metals: a very old metal recycling operating facility that has been in business for 55 years. It is cross gradient at [REDACTED] feet from [REDACTED] and upwind from lead contaminated soil and dust areas.

International Metal Trading: A metal operating facility that recycles, process, and prepares metal alloys for recycling. It is [REDACTED] ft. cross gradient from [REDACTED] and upwind from lead contaminated soil and dust areas.

Leavitts Metal Finishing: A metal finishing operating facility that is [REDACTED] feet cross gradient from [REDACTED] and upwind from a lead contaminated soil and dust areas (very close to the facility).

Apollo Metal Co: A metal spinning and manufacturing facility that is more than 40 years old. it is [REDACTED] feet cross gradient from [REDACTED] and upwind from lead contaminated soil and dust areas.

La Costa metal Finishing: A metal finishing facility that has been in business for 16 years. It is [REDACTED] feet from [REDACTED].

Munoz Metal Polishing: A small polishing operating facility that is cross gradient from well [REDACTED].

Paramount Ready mix Plant: More than 30 years old facility, they produce mix concrete that handles steel and metals. Although it is upgradient of [REDACTED] it is at [REDACTED] ft. away. It is a low priority and unlikely that it has contributed to the [REDACTED] contamination.

Dick's Metal Polishing: A small polishing operating facility that is cross gradient from [REDACTED].

Appendix

Further Action Sites Pictures

Ener Tech Metals



Staub Metals Corp



All Metals



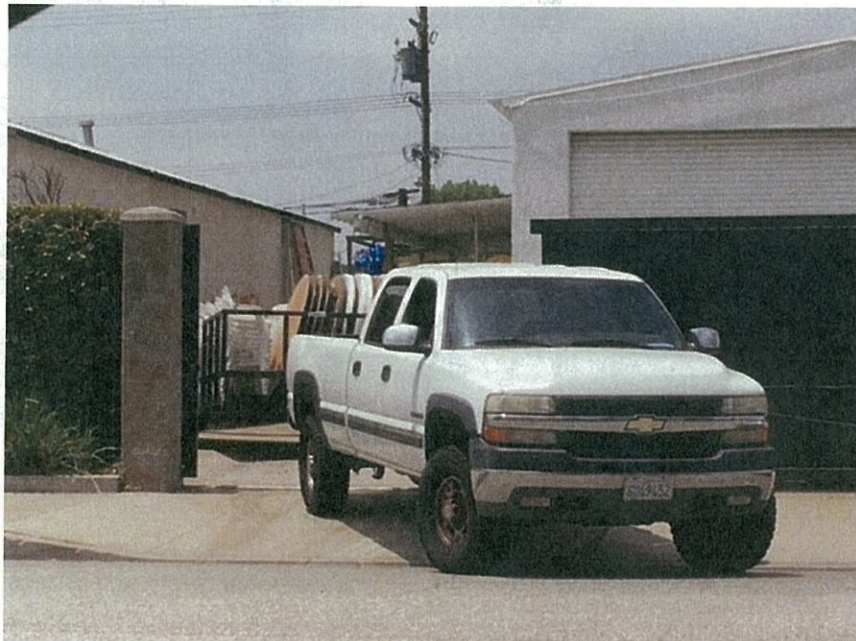
Gamberg Metals Company



International Metal Trading Inc



Leavittz Metal Finishing



Apollo Metal Co



La Costa Metal Finishing



Munoz Metal Polishing



Paramount Ready Mix Plant



Dicks Metal Polishing



Confidential Section of the Report

